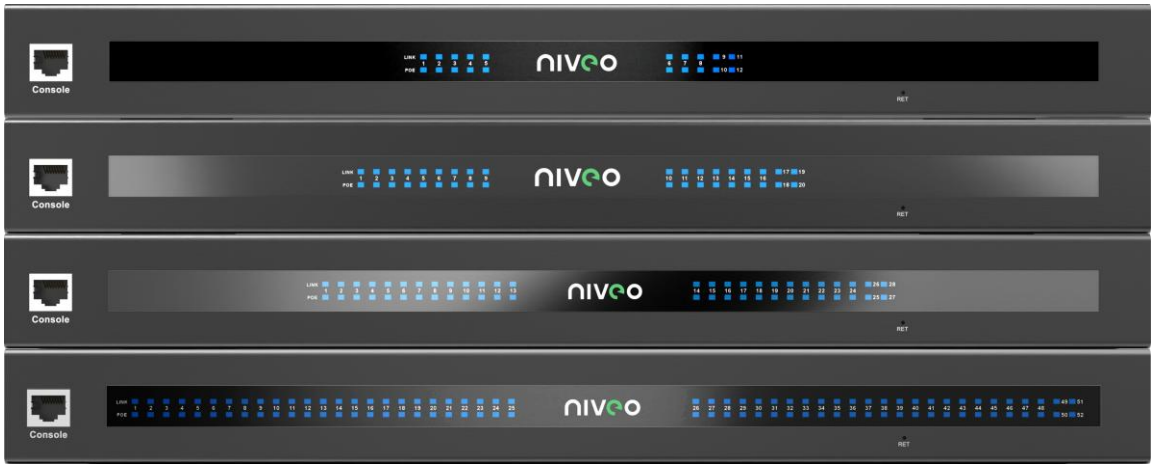
WE MAKE NETWORKING EASY!

Niveo Professional 1Gb AV Series

1Gb AV Layer 3 Gigabit Switches:

NAS8T4XP	8 Port Gigabit PoE+ L3 Managed Switch with 4 * 10Gb SFP+ uplink ports
NAS16T4XP	16 Port Gigabit PoE+ L3 Managed Switch with 4 * 10Gb SFP+ uplink ports
NAS24T4XP	24 Port Gigabit PoE+ L3 Managed Switch with 4 * 10Gb SFP+ uplink ports
NAS48T4XP	48 Port Gigabit PoE+ L3 Managed Switch with 4 * 10Gb SFP+ uplink ports



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General

The Niveo Professional 1Gb AV Series is a next-generation, Layer 3, 11 Gigabit Switch series. It is an ideal solution for demanding Video-over IP solutions and other networks demanding high bandwidth. The series is **designed by AV-professionals, for AV-professionals.**
The interface offers a full **profile configuration**, for easy deployment. The switches are capable of delivering unblocked Layer3 switching for demanding Video over IP, audio and IPMX setups.

Feautures

- Easy to Configure though profiles
- Supports Dante, NDI, AV over IP, SDVoE-FleXlinQ, IPMX, Q-sys, AES67, Ravenna
- Supports 8-16-24-48 port PoE+
- Supports QoS, DHCP, BGP, VRRP, QinQ, etc.
- Supports WEB/CLI/SNMP/SSH for Flexible Operation
- Supports SSH, ACL, AAA, 802.1X, RADIUS, TACACS+, etc. for Security
- IPv4/IPv6 Dual-Stack for Future Network Expansion

Specifications

Model number	NAS8T4XP	NAS16T4XP	NAS24T4XP	NAS48T4XP
Performance				
Networking Interfaces	8 x 1Gb + 4 x10GbSFP+	16 x 1Gb + 4 x10GbSFP+	24 x 1Gb + 4 x10GbSFP+	48 x 1Gb + 4 x10GbSFP+
Switching Capacity	78 Gbps	112 Gbps	128 Gbps	176 Gbps
Forwarding Capacity	56.2 Mpps	83.3 Mpps	95.2 Mpps	130.9 Mpps
Forwarding Mode	Store and Forward			
Packet Buffer Memory	12 Mbit			
RAM for CPU	2 Gbit			
Flash memory	128 Mbit	128 Mbit	128 Mbit	256Mbit
MAC Address table	16K			
Max. Jumbo Frame Size	16K			
ACL Tabler	1K			
VLAN Quantity	4K			
VLAN Interface	32			
Multicast Groups	1K			
Routing host IPV4 / IPV6	6K/ 2K			

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Routing Entries IPV4 / IPV6	512 128			
Port Queues	8			
POE Budget	150W	330W	450W	900W
Physical				
Dimensions (cm)	44 x 20x4.4			
Weight	4.5 kg			
Operating temperature	0 to 40℃			
Storage Temperature	-10 to 70℃			
Operating Humidity	5 to 95% Noncondensing			
Power method	100-240VAC, 50/60Hz			
Max. Power Consumption	150W	300W	450W	900W
EMC Safety	FCC, CE, RoHS			
Power over Ethernet				
PoE Interfaces	1-8	1-16	1-24	1-48
PoE Standard	IEEE802.3af, IEEE802.3at			
Max. PoE Wattage per Port	30W			
PoE Voltage	52VDC			
PoE Pin Assignment	V- (RJ45 Pin1,2), V+ (RJ45 Pin 3,6)			
PoE Management	Port-base PoE status view and control			
Port Configuration				
Enable and Disable	Support control enable and disable			
Auto-Negotiation	Support force port mode and speed			
Flow Control	Support IEEE802.3x full-duplex			
	Support half-duplex backpressure			
Storm Control	Support broadcast, multicast, DLF pack rate limit			
Port Mirroring	Support many to one mirroring			
Rate Limit	Support Port input and output rate limit			
Link Aggregation	Support manual Link Aggregation Support LACP Up to 8 maximum aggregation groups, each containing up to 8 ports			
Aggregation Strategy	Source MAC / Destination MAC / Source Destination MAC Source IP / Destination IP / Source Destination IP			
Port Protection	Each port can be configured into isolated protected port from each other			
MAC Configuration				
MAC Address Table Mgt	Support			
Transfer Mode	Support IVL transfer mode			
Static MAC Address	Support			
MAC Binding	Support			
MAC Address Filter	Support			
MAC Quantity Limitation	Support limit the number of MAC-addresses Learning			

	per port
VLAN Configuration	
VLAN Based on 802.1Q	Support
MAC-Based VLAN	Support
IP-Based VLAN	Support
Protocol-Based VLAN	Support
Guest VLAN	Support
Private VLAN	Support
Voice VLAN	Support
VLAN Mapping	Support 1:1 mapping
QinQ	Support basic QinQ Support flexible QinQ
Reliability Protocol	
Spanning Tree	Support STP/RSTP/MSTP
BPDU Guard	Support
BPDU Filter	Support
Port Loop Detection	Support
EAPS Protocol	Support RFC3619
ERPS Protocol	Support
DLDP Protocol Support DLDP	Support DLDP
LLDP Protocol	Support LLDP and LLDP-MED
UDLD Protocol	Totally compatible with UDLD protocol of CISCO
HOST Routing	
ARP	Support static and dynamic ARP
Static Route	Support static route for HOST
Multicast	
Static Multicast MAC Address	Support
IGMP SNOOPING	Support
IGMP Querier	Support
IGMP Filter	Support
MVR	Support
GMRP	Support
Access Control List (ACL)	
Based on Standard IP	Support
Based on Extend IP	Support
Based on MAC IP	Support
Based on MAC ARP	Support
Based on time	Support
Port Filtering	Support
Quality of Service (QOS)	

Scheduling Mode	Support WRR，RR，WDRR，SP
Sorting Based on Port	Support
Sorting Based on 802.1p	Support
Sorting Based on DSCP	Support
Sorting Based on ACL	Support
QoS Policy	Support packets mapping to queue Support COS or DSCP Remarking Support rate limits of data flow Support data flow statistics Support mirroring of data flow
Security	
Administrative Security	Support start and end TELNET, WEB and SNMP serve Support TELNET, WEB and SNMP serve binding with Standard IPACL Support control the number of user for TELNET
CPU Protect	Switch self-security protect, forbid flow attack
IP-MAC Address Binding	Support binding between static configuration IP, MAC and Port
AAA	Support 802. 1x protocol Support RADIUS protocol Support RADIUS server authentication authorization and bill Support MAC-based 802. 1X authentication. Support 802.1x guest VLAN
DHCP SNOOPING	Support dynamic ARP bind to prevent ARP spoofing Support dynamic IP, MAC port binding Support stationary port connect to DHCP server, to prevent privately connect to DHCP sever
Prevent ARP Spoofing	Support manual configure ACL rule based on MACARP prevent ARP spoofing Support DHCP SNOOPING function, switch dynamically binding ARP and port, when the DHCP get IP address , to prevent ARP spoofing
IPv6	
IPv4/IPv6 Dual Protocol Stack	Support
IPv6 Address	Support manual address configuration and stateless address auto-configuration
IPv6 Neighbor Discovery	Support
ICMPv6	Support
IPv6 Path MTU Discovery	Support
Management	

CLI Management	Support Console, Telnet and SSH Support multiple TELNET connections based on IPv4 and IPv6 Support multiple SSH connections based on IPv4 and IPv6
WEB Management	Support HTTP / HTTPS based on IPv4 and Ipv6
SNMP Management	Support SNMP protocol Support SNMP TRAP Support standard and private MIB
User management	Support multi-user management
TACACS+	Support switch authentication via TACACS+ server remote username and password Support password encryption in PAP and CHAP mode Support TACACS+ server to authorize the switch's commands Support TACACS+ based on IPv4 and IPv6
Show CPU Utilization	Support
Show RAM Utilization	Support
Log Management	Support local log management Support SYSLOG
RMON	Support RMON 1, 2, 3 and 9 groups
Config Download / Upload	Support Web / TFTP transmission based IPv4 / IPv6
Upgrade Firmware	Support Web / TFTP transmission based IPv4 / IPv6
Timer Management	Support local timer management Support SNTP protocol get clock
Debugging Tools	
PING	Support
PING6	Support
TRACEROUTE	Support
TELNET Client	Support
SSH Client	Support
Package List	
AV Switch	1pce
User Manual	1pce
Power Cord	1pce
DB9 to RJ45 Cable	1pce
Rack Mount Kit	2pcs
Rubber Feet	4pcs

Order Information

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